Search Results -

Terms	Documents
L1 and L2	22

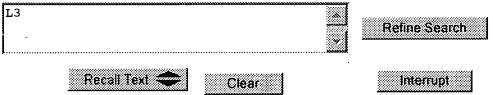
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DB=P	GPB,USPT,USOC; PLUR=YES; OP=OR		
<u>L3</u>	11 and L2	22	<u>L3</u>
<u>L2</u>	710/301-304,100,62,2,74;713/400;326/8;714/5,7;711/115;361/684,685.ccis.	8563	<u>L2</u>
<u>L1</u>	sens\$3 same (remov\$3 or insert\$3 or plug\$4)same (hot or warm) same (host or computer)	324	<u>L1</u>

Search Results -

Terms	Documents
sens\$3 same (remov\$3 or insert\$3 or plug\$4)same (hot or warm) same (host or computer)	91

Database:

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L4

Recall Text

Clear

Interrupt

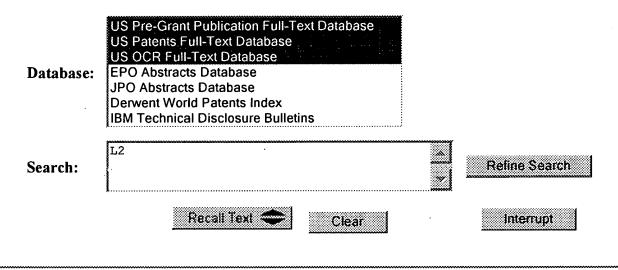
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DB=E	PAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR		
<u>L4</u>	sens\$3 same (remov\$3 or insert\$3 or plug\$4)same (hot or warm) same (host or computer)	91	<u>L4</u>
DB=P	GPB,USPT,USOC; PLUR=YES; OP=OR		
<u>L3</u>	11 and L2	22	<u>L3</u>
<u>L2</u>	710/301-304,100,62,2,74;713/400;326/8;714/5,7;711/115;361/684,685.ccls.	8563	<u>L2</u>
<u>L1</u>	sens\$3 same (remov\$3 or insert\$3 or plug\$4)same (hot or warm) same (host or computer)	324	<u>L1</u>

Search Results -

Terms	Documents
(361/684 361/685 710/301 710/302 710/303 710/304 710/100 710/62 710/2 710/74 711/115 713/400 714/5 714/7 326/8).ccls.	8563



Search History

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Set Name side by side	Query	<u>Hit</u> Count	Set Name result set
DB=P	GPB, USPT, USOC; PLUR=YES; OP=OR		
<u>L2</u>	710/301-304,100,62,2,74,713/400;326/8;714/5,7;711/115;361/684,685.ccls.	8563	<u>L2</u>
<u>L1</u>	sens\$3 same (remov\$3 or insert\$3 or plug\$4)same (hot or warm) same (host or computer)	324	<u>L1</u>

Search Results -

Terms	Documents
(710/301 710/302 710/303 710/304).ccls. and L2	17

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Set Name Query **Hit Count Set Name** side by side result set DB=PGPB, USPT, USOC; PLUR=YES; OP=OR L3 710/301-304.ccls. and L2 17 <u>L3</u> L2 381 L2 L1.clm. <u>L1</u> "memory stick" 4472 Ll

Search Results -

Terms	Documents
L1 and (sens\$3 same (remov\$3 or insert\$3 or plug\$4) same (hot or warm)same (host or computer))	0

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L5

Refine Search

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Set Name side by side	Query	<u>Hit</u> <u>Count</u>	Set Name result set
DB=E	PAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR		
<u>L5</u>	L1 and (sens\$3 same (remov\$3 or insert\$3 or plug\$4) same (hot or warm)same (host or computer))	0	<u>L5</u>
DB=P	GPB,USPT,USOC; PLUR=YES; OP=OR		
<u>L4</u>	L1 and (sens\$3 same (remov\$3 or insert\$3 or plug\$4) same (hot or warm)same (host or computer))	14	<u>L4</u>
<u>L3</u>	L1 and (sens\$3 same (remov\$3 or insert\$3 or plug\$4) same (host or computer))	104	<u>L3</u>
<u>L2</u>	L1 and (sens\$3 same (remov\$3 or insert\$3 or plug\$4))	213	<u>L2</u>
<u>L1</u>	710/301-304.ccls.	1284	<u>L1</u>

Search Results -

Terms	Documents	
L1 same controller	47	

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L2		<u></u>	Refine Search
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Set Name Query Hit Count Set Name side by side result set DB=USPT; PLUR=YES; OP=OR

11 same controller L2 47 <u>L2</u>

L1 (hot adj1 (plug\$4 or insert\$3)) same signal same switch L1 103

Search Results -

Terms	Documents
(hot adj1 (plug\$4 or insert\$3)) same signal same switch	103

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L1			Refine Search
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Set Name Query side by side

Hit Count Set Name

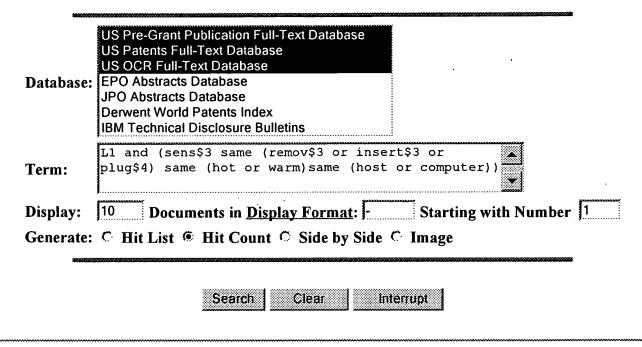
result set

DB=USPT; PLUR=YES; OP=OR

L1 (hot adj1 (plug\$4 or insert\$3)) same signal same switch

103 <u>L1</u>

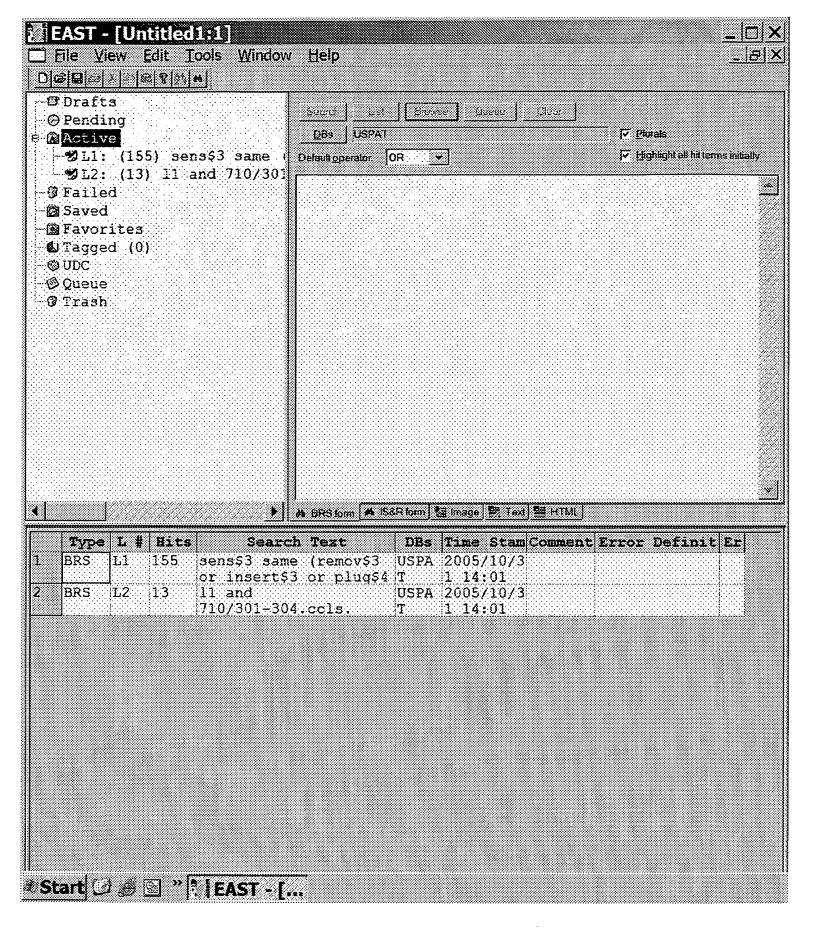
Freeform Search

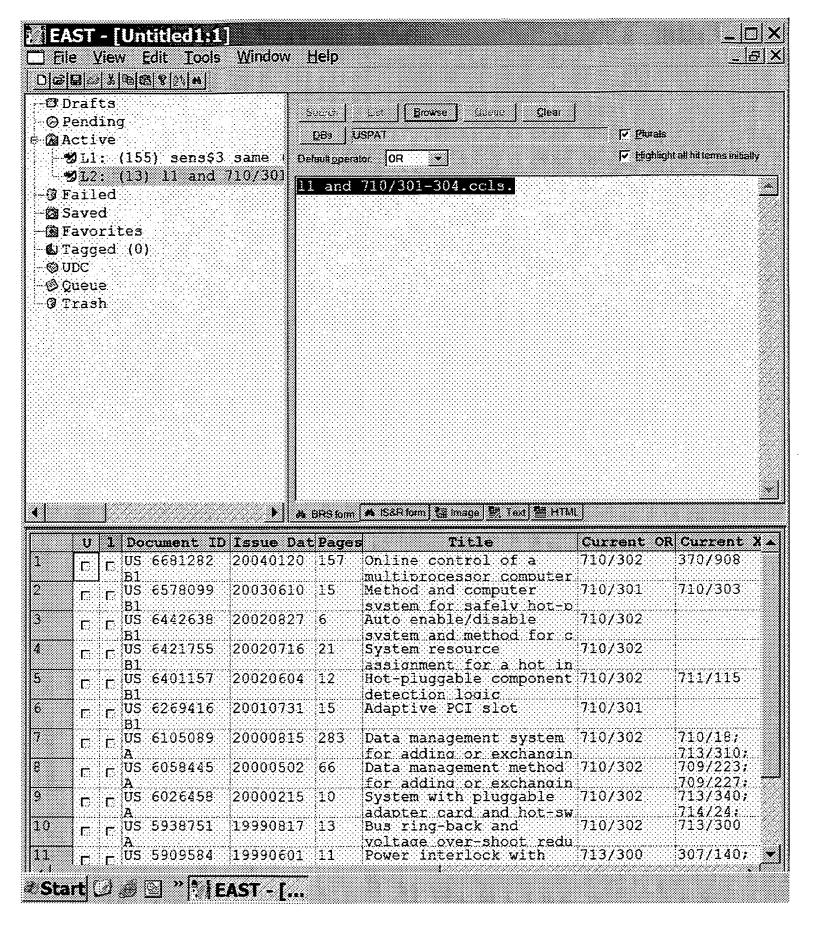


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Set Name side by side	Query .	<u>Hit</u> Count	<u>Set</u> <u>Name</u> result set
DB=P	GPB, USPT, USOC; PLUR=YES; OP=OR		
<u>L4</u>	L1 and (sens\$3 same (remov\$3 or insert\$3 or plug\$4) same (hot or warm)same (host or computer))	14	<u>L4</u>
<u>L3</u>	L1 and (sens\$3 same (remov\$3 or insert\$3 or plug\$4) same (host or computer))	104	<u>L3</u>
<u>L2</u>	L1 and (sens\$3 same (remov\$3 or insert\$3 or plug\$4))	213	<u>L2</u>
<u>L1</u>	710/301-304.ccls.	1284	<u>L1</u>







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Three-wired digital interface for a large number of hot-plugged sensors

Isukiashi S. Yamaquchi I. Kumamoto Univ., Japan

This paper appears in: SICE 2003 Annual Conference

Publication Date: 4-6 Aug. 2003

Volume: 2

On page(s): 1183 - 1186 Vol.2 Number of Pages: 3419

INSPEC Accession Number:8127130 Posted online: 2004-08-24 11:18:51.0

To gather varied information about surrounding environment in more detail, a computer should handle a large number of sensors. It is, however, difficult to realize such a system by conventional sensor-to-computer interface. We propose a common bus interface to connect those sensors to a host computer. This interface is composed of serial data bus with power supply and link layer communication protocol. It also makes the sensor hot-swappable. Experimental results show that a sensor is attachable and detachable with keeping the other

Index Terms

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Controlled Indexing

peripheral interfaces protocols sensors system buses

Non-controlled indexing

common bus interface communication protocol hot plugged sensors sensor-computer interface serial data bus three wired digital interface

Author Keywords

Not Available

References

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